

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| L2    | 4    | "2002015196"  | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/05/13<br>09:29 |
| L3    | 0    | "2002/015196"   | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/05/13<br>09:29 |
| L4    | 4    | "20020158196"   | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/05/13<br>09:29 |
| L6    | 50   | ((light or emitter or illuminat\$4) near (area or size or plane or surface)) same (dark or black or light or darkness or bright\$4). clm. and (mesh near pattern) | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/05/13<br>09:48 |
| L7    | 281  | ((light or emitter or illuminat\$4) same (area or size or plane or surface)) same (dark or black or light or darkness or bright \$4).clm. and (mesh near pattern) | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/05/13<br>09:48 |
| L8    | 1430 | ((light or emitter or illuminat\$4) same (area or size or plane or surface)) same (dark or black or light or darkness or bright \$4) and (mesh near pattern)      | US-PGPUB;<br>USPAT; USOOR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2009/05/13<br>09:48 |

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|-----|-----|--|--|----|----|------------------|
| L9  | 0   | ((light or emitter or illuminat\$4) near (mesh near pattern) near (area or size or plane or surface)) near (dark or black or light or darkness or bright \$4).clm. | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/13 09:48 |
| L10 | 0   | ((light or emitter or illuminat\$4) near (mesh near pattern) near (area or size or plane or surface)) near (dark or black or light or darkness or bright \$4)      | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/13 09:48 |
| L11 | 3   | ((light or emitter or illuminat\$4) same (mesh near pattern) near (area or size or plane or surface)) near (dark or black or light or darkness or bright \$4)      | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/13 09:49 |
| L12 | 0   | ((light or emitter or illuminat\$4) same (mesh near pattern) same (area or size or plane or surface)) near (dark or black or light or darkness or bright \$4)      | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/13 09:49 |
| L13 | 347 | ((light or emitter or illuminat\$4) same (mesh near pattern) same (area or size or plane or surface)) same (dark or black or light or darkness or bright\$4)       | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/13 09:49 |
| L14 | 33  | ((light or emitter or illuminat\$4) same (mesh near pattern) same (area or size or plane or surface)) same (dark or black or light or darkness or bright\$4).clm.  | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/13 09:49 |

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| L15 | 0  | ((illuminat\$4 or emit\$4 or light\$4 or source) near (mesh near (grating or pattern))) same (mesh near (area or surface or size or plane) near (small\$2)) same (irradiation near (area or plane or surface or axis)).clm. | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/13 09:55 |
| L16 | 0  | ((illuminat\$4 or emit\$4 or light\$4 or source) near (mesh near (grating or pattern))) same (mesh near (area or surface or size or plane) near (small\$2)) same (irradiation near (area or plane or surface or axis))      | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/13 09:55 |
| L17 | 0  | ((illuminat\$4 or emit\$4 or light\$4 or source) same (mesh near (grating or pattern))) same (mesh near (area or surface or size or plane) same (small\$2)) same (irradiation near (area or plane or surface or axis))      | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/13 09:56 |
| L18 | 3  | ((light or emitter or illuminat\$4) same (mesh near pattern) same ((area or size or plane or surface)) same (small\$2) and (dark or black or light or darkness or bright \$4)).clm.   | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/13 10:02 |
| L19 | 49 | ((light or emitter or illuminat\$4) same (mesh near pattern) same ((area or size or plane or surface)) same (small\$2) and (dark or black or light or darkness or bright \$4))  | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/05/13 10:02 |

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|-----|----|---|---|----|----|---------------------|
| L20 | 0  | ((light or emitter or illuminat\$4) same (mesh near pattern) same (area or size or plane or surface)) near ((small\$2) and (dark or black or light or darkness or bright\$4)) | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/05/13<br>10:07 |
| S1  | 1  | "10576486"  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/13<br>13:47 |
| S2  | 30 | chie near ishikawa  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/13<br>13:47 |
| S3  | 0  | 356/237.2-237.6.cds.<br>and ((bumper or automobile) and (conveyor or belt) and (brightness and dark and mesh))  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/13<br>14:29 |
| S4  | 25 | ((bumper or automobile) and (conveyor or belt) and (brightness and dark and mesh))  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/13<br>14:29 |
| S5  | 0  | "356"/.clas. and ((bumper or automobile) and (conveyor or belt) and (brightness and dark and mesh))   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/13<br>14:29 |
| S6  | 71 | "356"/.clas. and (mesh and (bumper or automobile))  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/13<br>14:30 |
| S7  | 20 | S6 and (surface same (defect or deformation or particle or imperfection or impurity\$4))  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/13<br>14:34 |

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| S8  | 147   | makoto near iwata  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/13<br>14:43 |
| S9  | 3     | S8 and (dark or brightness)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/13<br>14:43 |
| S10 | 3     | ((dark and brightness and (mesh near pattern)) and (surface near (defect or deformation or particle or imperfection or impurit\$4))) and (convey \$4 or belt)) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/13<br>14:46 |
| S11 | 87    | (dark and brightness and (mesh near pattern))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/13<br>14:49 |
| S12 | 184   | "356"/.clas. and (mesh and (bumper or automobile or vehicle))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/14<br>09:12 |
| S13 | 513   | (inspect\$4 same (mesh and (bumper or automobile or vehicle)))   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/14<br>09:24 |
| S14 | 9     | "356"/.clas. and (inspect\$4 same (mesh and (bumper or automobile or vehicle)))  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/14<br>09:24 |
| S15 | 13309 | DAIHATSU.as.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/14<br>09:47 |

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| S16 | 6   | S15 and (dark and brightness and (inspect \$4 same surface))   | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 09:48 |
| S17 | 6   | S15 and (dark and brightness and (inspect \$4 same defect\$4))   | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 09:48 |
| S18 | 19  | S15 and (dark same surface)  | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 09:49 |
| S19 | 0   | S15 and (surface near (inspect or defect\$4)) and (dark and mesh and bright)   | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 10:10 |
| S20 | 0   | (surface near (inspect and defect\$4)) and (dark and mesh and bright)  | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 10:13 |
| S21 | 31  | (surface same (inspect and defect\$4)) and (dark and mesh and bright)  | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 10:13 |
| S22 | 144 | (surface same (inspect and defect\$4)) and (dark and (mesh or (dark near light)) and bright)                                 | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 10:16 |
| S23 | 8   | ("20040066502"   "5018867"   "5243402"   "5452079"   "5691811"   "5870204"   "6392754"   "6570651").PN. OR ("6930772").URPN. | US-PGPUB; USPAT; USOOR                                   | OR | OFF | 2008/03/14 10:21 |

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| S24 | 14   | ("3799679"   "4508452"   "4634278"   "4794550"   "4929846"   "5110200"   "5237404").PN. OR ("6392754").URPN. | US_PGPUB; USPAT; USOCR                                   | OR | OFF | 2008/03/14 10:28 |
| S25 | 12   | S24 and (pattern or mesh or (light near dark))   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 10:28 |
| S26 | 144  | S22 and (pattern or mesh or (light near dark))   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 10:28 |
| S27 | 67   | S26 and (convey\$4 or belt)  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 10:37 |
| S28 | 2055 | 356/237.2-237.6,603-606.ccls. and (pattern or mesh or (light near dark))                                     | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 10:45 |
| S29 | 433  | S28 and (lights or plurality or beams or illuminat\$4 or emitter \$4) and (convey\$4 or belt)                | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 10:47 |
| S30 | 7    | S27 and ((polygon\$4 or shape) and ((curv\$4 or concave or convex) near (surface or shape)))                 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 11:15 |
| S31 | 43   | S29 and ((polygon\$4 or shape) and ((curv\$4 or concave or convex) near (surface or shape)))                 | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 11:15 |

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| S32 | 20    | (US-20070206182-\$ or US-20070146728-\$ or US-20040179193-\$). did, or (US-6373054-\$ or US-6930772-\$ or US-5691811-\$ or US-6392754-\$ or US-4634278-\$ or US-5237404-\$ or US-6841780-\$ or US-7176440-\$ or US-7184585-\$ or US-4089608-\$ or US-4585343-\$ or US-4629319-\$ or US-4920385-\$ or US-5726705-\$). did, or (JP-2004198403-\$ or JP-2005127738-\$). did, or (JP-2004191071-\$). did. | US-PGPUB; USPAT; JPO; DERWENT                            | OR | OFF | 2008/03/14 11:33 |
| S33 | 18    | S32 and (vehicle or automobile or bumper or surface) same (inspect\$4 or defect or illuminat\$4)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 11:34 |
| S34 | 73742 | (vehicle or automobile or bumper) same (inspect\$4 or defect or illuminat\$4)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 11:34 |
| S35 | 122   | S34 and (dark and brightness and (inspect \$4 same surface))  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 11:34 |
| S36 | 94    | S35 and (pattern or checkerboard or mesh or polygon\$4)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 11:37 |
| S37 | 17    | ("5452079").PN. OR ("5691811").URPN.  | US-PGPUB; USPAT; USOCR                                   | OR | OFF | 2008/03/14 11:40 |
| S38 | 94    | S35 and (pattern or checkerboard or mesh or polygon\$4 or hexagon\$4)   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 11:48 |

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| S39 | 22   | S35 and (checkerboard or mesh or polygon\$4 or hexagon\$4)                              | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 11:55 |
| S40 | 17   | ("4878114"   "5436726"   "5477268"   "5566244").PN. OR ("5726705").URPN.                | US_PGPUB; USPAT; USOOR                                   | OR | OFF | 2008/03/14 12:00 |
| S41 | 4    | S35 and (bumper)  | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 12:51 |
| S42 | 3745 | S34 and (bumper)  | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 12:52 |
| S43 | 2737 | S34 and (bumper and (vehicle or automobile))  | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 12:52 |
| S44 | 2    | S43 and ((mesh or checker) near (pattern))  | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 12:52 |
| S45 | 152  | S43 and (curv\$4 and (lights or beams or plurality) and (conveyor or belt))             | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 13:13 |
| S46 | 19   | S35 and (curv\$4 and (lights or beams or plurality) and (conveyor or belt))             | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/03/14 13:13 |
| S47 | 20   | (mesh near (pattern or grating or like)) and (surface near (inspection or inspect \$4)) | US_PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/09/30 17:14 |

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| S48 | 377 | (mesh near (pattern or grating or like)) and (surface same (inspection or inspect \$4))                  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/30 17:36 |
| S49 | 10  | "356"/.clas. and (mesh near (pattern or grating or like)) and (surface same (inspection or inspect \$4)) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/30 17:36 |
| S50 | 20  | "250"/.clas. and (mesh near (pattern or grating or like)) and (surface same (inspection or inspect \$4)) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/30 17:36 |
| S51 | 7   | "347"/.clas. and (mesh near (pattern or grating or like)) and (surface same (inspection or inspect \$4)) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/30 17:36 |
| S52 | 14  | ("3169193"   "3308658").PN, OR ("3657727").URPN.   | US_PGPUB; USPAT; USOCR                                   | OR | ON | 2008/09/30 17:37 |
| S53 | 1   | (Honda near Toshifumi) and mesh  | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/30 23:24 |
| S54 | 47  | (Honda near Toshifumi) and pattern   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/30 23:25 |
| S55 | 47  | (Honda near Toshifumi) and pattern   | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/01 08:22 |
| S56 | 7   | "347"/.clas. and (mesh near (pattern or grating or like)) and (surface same (inspection or inspect \$4)) | US_PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/01 08:22 |

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| S57 | 20 | "250"/.clas. and (mesh near (pattern or grating or like)) and (surface same (inspection or inspect \$4))   | US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/01 09:03 |
| S58 | 27 | (US-20070206182-\$ or US-20020044271-\$ or US-20060151700-\$ or US-20020158198-\$). did. or (US-6373054-\$ or US-6930772-\$ or US-5691811-\$ or US-6392754-\$ or US-4634278-\$ or US-5237404-\$ or US-7176440-\$ or US-7184585-\$ or US-4089608-\$ or US-4585343-\$ or US-4920385-\$ or US-5726705-\$ or US-5822054-\$ or US-6532066-\$ or US-6462813-\$ or US-5566244-\$ or US-6398870-\$ or US-5686987-\$ or US-5963328-\$ or US-4764969-\$ or US-5550635-\$ or US-6084238-\$). did. or (JP-2004198403-\$). did. | US-PGPUB; USPAT; JPO                                     | OR | ON | 2008/10/01 09:04 |
| S59 | 9  | S58 and (mesh same (like or pattern))  | US-PGPUB; USPAT; JPO                                     | OR | ON | 2008/10/01 09:04 |

5/13/2009 10:14:39 AM

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